



**STEEL KING™**

BUILT TO DELIVER

**BUILT TO DELIVER™**



**DESIGNED TO PERFORM**

[WWW.STEELKING.COM](http://WWW.STEELKING.COM)

# Built to deliver

*Designed to perform*



Not all rack is the same

## STEEL KING IS BUILT TO LAST

### What sets Steel King apart?

Heavy loads. Forklift impact.  
Daily wear and tear.

They all take a toll on your facility *and your bottom line*. Steel King products are engineered and built strong to withstand the abuse, reducing risks, downtime and maintenance costs.

Our Steel Guard is the toughest guard rail system in the industry, and our pallet racks are known for:

- **Dependability** – built exclusively of heavy-gauge US steel
- **Stability** – full diagonal and horizontal tubular bracing throughout entire frame
- **Impact-resistant** and attractive powder coat finish

Our flagship product SK2000® sets the industry standard for strength. Its closed-back roll-form steel gives it 250% more frontal impact strength and 68% greater side impact resistance than open-back rack.\*

\* Results from independent engineering testing

## Material Handling Equipment that you can trust with your product ... *and your reputation.*

For decades, Steel King has been designing and manufacturing pallet racking systems and material handling products that are built better to last longer.

### Industry Leadership

Facilities and active participation in the associations that develop the national specifications for quality and safety, we are committed to manufacturing excellence.

### Expertise

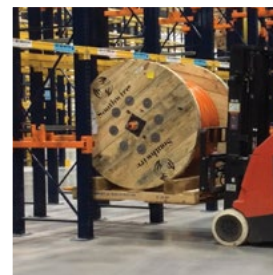
Experience designing thousands of unique storage systems for efficient space utilization.

### Quality and Safety

Customers with the highest quality and safest products possible. Our products strictly conform to industry design codes, our rack capacity charts are RMI-certified and our fabricator licenses are approved for the City of Los Angeles and the City of Phoenix.

### Durability

Quality materials and designed to last longer, require less maintenance and provide greater safety.



### Single Source Responsibility

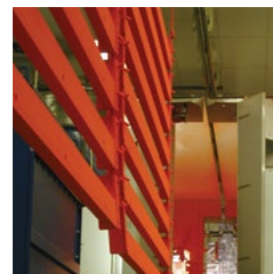
Our wide breadth of product offerings allows us single-source responsibility that ensures both cost and quality control.



### Welder Certification

Our welders are qualified to American Welding Society (AWS) D1.1 and D1.3 standards. We also have an in-house Certified Welding Inspector (CWI).

When it comes to offering the highest quality, safest and most diverse product offerings ...



**Steel King is built to deliver.**



# Built to deliver

*Designed to perform*

## Hard-Working Racks

### SK2000<sup>®</sup>

*Tubular boltless pallet rack*



#### Proven

Our flagship product, SK2000, has become an industry standard. Using our expertise and the highest quality materials available Steel King products are built to last. SK2000's closed tubular design gives it 250% more frontal impact strength and 68% greater side impact resistance.



#### Advantages:

- Unique 90° bend and no corner holes
- Three- and four-rivet beam connections prevent beam tear out
- Auto-engaging safety lock

#### Applications:

- Selective
- Double-Deep Selective
- Pick Modules
- Mini Load AS/RS
- Carton Flow

*Add Column Core inserts for 5 times greater strength.*



### SK2500<sup>®</sup>

*Tubular bolted pallet rack*



#### Tough

SK2500 is built tough for a variety of applications. Columns are made of high strength (60,000 psi minimum) steel and have up to 44 times more resistance to torsional fork truck impact as open-back, roll formed columns.

#### Advantages:

- 5 gauge wrap-around connector plates
- Two bolts per beam end
- 2" adjustability
- Grade 5 hardware

#### Applications:

- Selective
- Pallet Flow
- Double Deep Selective
- Drive-in
- AS/RS
- Pushback
- Drive-Thru



### SK3000<sup>®</sup>

*Structural channel rack*



#### Rugged and affordable

Steel King's SK3000 pallet rack is the result of continual innovation and advancement to improve the durability and functionality of structural pallet racks. This product provides greater overall strength and rigidity and is the best value in structural pallet racks available.

#### Advantages:

- Modular system allows design flexibility
- Expands easily
- 3", 4" or 5" channel columns to meet capacity requirements
- Grade 5 hardware
- Thicker and tighter fitting connector places
- All structural
- Full horizontal & diagonal bracing
- Two bolt connections

#### Applications:

- Selective
- Pushback
- Flow Storage
- Drive-In
- Carpet
- Over Dock Rack



## Dynamic Rack Systems

### SK4000®

*Structural tubular rack*



#### Sturdy storage of heavy loads

SK4000 combines the load capacity of structural channel racks with the torsional strength of tubular steel. With bolted beam connections, this rack has the frame support for loads over 70,000 pounds.



*Sanitary unit shown.*

#### Advantages:

- Fully welded tubular steel for both horizontal and diagonal bracing
- Beam adjustability at 3" increments standard
- Sanitary version with welded-on caps and fewer holes to catch debris
- Greater impact resistance

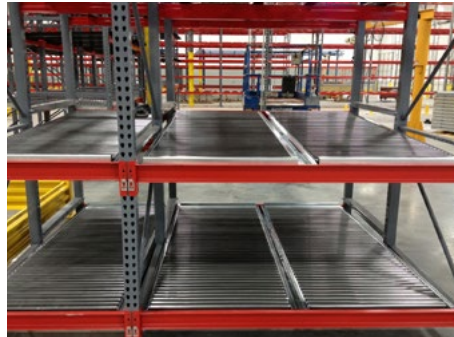
#### Applications:

- Seismic zones
- Rack-supported buildings
- AS/RS
- Heavy paper roll storage
- Drive-In
- Die racks
- Food industry



### SK3400®

*Pallet flow rack*



#### Dense storage, FIFO inventory control

SK3400 is a two-part flow storage system consisting of wheeled flow rails set into a stationary rack structure. This allows you to optimize your warehouse space and provides better inventory control for perishable and time sensitive products.

#### Advantages:

- Entirely gravity fed, reducing handling costs
- Fewer aisles and forklifts needed
- Easily integrates with Steel King rack systems
- Full selection of wheel and roller configurations available

#### Applications:

- Raw materials receiving and storing
- Work-in-process
- Buffer storage
- Finished goods
- Order picking
- Cross docking

### SK3600®

*Pushback rack*



#### Pallet management

SK3600 is a dynamic rack that allows you to store pallets 2 to 5 deep while retaining easy access to a variety of different SKUs. Each level or lane is independently accessible and allows up to 90% more product storage than selective rack systems. Pallets are placed by forklift on nested carts riding on inclined rails. Each pallet is then pushed back by subsequent pallet loading, exposing the next cart. When unloading, the front pallet is removed, allowing the other carts to roll gently to the front.



#### Advantages:

- Fewer aisles and forklifts needed
- Provides support for weak pallets
- Accommodates non-standard pallet sizes
- Designed with heavy duty wheels, bearings and carts

#### Applications:

- LIFO inventory

# Innovative Rack Systems

## Cantilever

*Load long, bulky items with ease*



### Forklift friendly

Cantilever racks use arms to hold product, eliminating the need for a front column. This allows for easy loading and unloading, lowering handling time and costs. The arms provide for adjustable rack openings to accommodate long, bulky or oddly shaped loads.

### Advantages:

- Flexible placement of arms along racking structure
- Accessibility of any storage slot
- Also available in an I-Beam configuration

### Application:

- Steel Bars
- Wood
- Furniture
- Appliances
- Pipe
- Sheet steel
- Tubing
- Doors
- Conduit
- Extrusions
- Rolls



## Drive-in

*High density storage*



### Forklift friendly

Drive-in racking is a configuration available with SK3000 Structural rack and is ideal for cost effective high density storage that allows forklift access. Because Drive-In is subject to more abuse than any other rack configuration, Steel King's Drive-In rack is engineered and manufactured to better stand up to this punishment.

### Advantages:

- Load rails constructed of durable structural angle steel
- Flared rail entry ends allow easy bay access
- Space saver, low-profile arms
- Welded aisle-side load arms
- 2" vertical adjustability
- Welded rail stops

### Applications:

- Drive-Thru
- Coolers and blast freezers
- Beverage industry

## Double deep

*High density plus selectivity*



### Maximize storage density

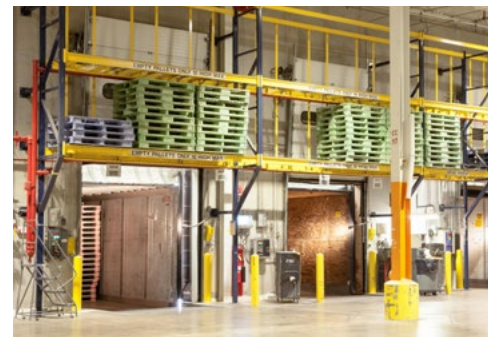
Designed to increase storage capacity while still maintaining a high degree of selectivity. Pallets are stored two deep on a single-sided unit or four deep on double-sided racks.

### Applications:

- Ideal for cold storage applications

## Over Dock

*Use loading area efficiently*



Eliminate clutter in dock area, improve safety and operational efficiency

- Designed to fit around existing loading dock doors
- Take advantage of wasted space
- Wall-tied or ceiling supported-options, except in seismic design category C and above

## Pick modules

*Accuracy, efficiency*



### **E-Commerce**

When you need an efficient way to fulfill multiple SKU customer shipments in a timely and accurate manner, rely on Steel King's engineering and design staff to create a custom pick module for you. Built by combining dynamic rack systems with conveyors or other flow components, you can expect enhanced productivity and cost savings.

### **Advantages:**

- Multi-level systems allow superior space utilization
- Allows for dense product storage
- Reduces material handling

### **Applications:**

- Ideal for broken pallet or broken carton order filling
- Fulfillment



## AS/RS

*Automated storage & retrieval*



### **Reduce labor, increase capacity**

Steel King offers Automated Storage and Retrieval System solutions in a Unit Load or Mini Load system that is PE engineered and designed to project specifications and requirements. Unit Load systems are large and usually palletized storage systems that can be designed from single deep to multi-deep. Mini Load systems are smaller and designed to hold trays, containers or totes.

### **Advantages:**

- Height capability allows for high density storage in least amount of space
- Crane manufacturer specs fully integrated into system
- Project management by Steel King

### **Applications:**

- Rack supported building configuration possible
- Sorter platforms

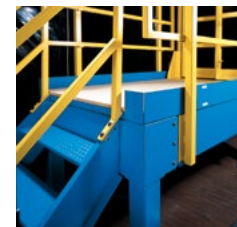


## Elevated platforms



### **Optimize space utilization**

Engineered for structural integrity and safety, Steel King mezzanines conform to ASTM, AISC and AISI specifications as well as applicable building codes and OSHA requirements.



Options include standard bearing, bolted bearing and bolted bar joist designs. Select your deck surface from multiple options, as well as kick plates, columns, stairs, platforms, handrails and gates.

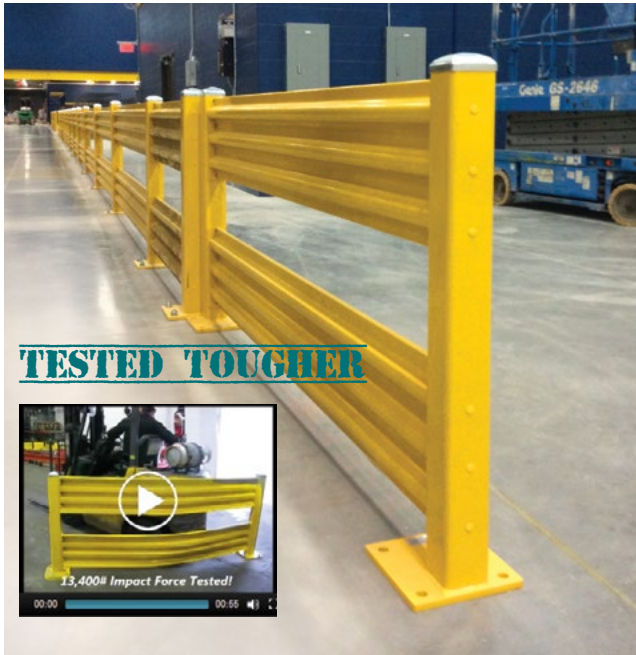
### **Advantages:**

- Customized design
- Eliminates need to lease additional space or for new construction
- Can be changed or expanded as needed

### **Applications:**

- Warehouse office or break room
- Shipping office
- Document storage

# Setting industry standards in safety



## Steel Guard®

Protecting your people, product, and physical plant from collisions is one of the best investments you can make.

In 1986, we set out to design the toughest guard rail system in the industry. After more than 40,000 installations, no other brand exceeds the rugged design of Steel Guard – tested and proven at 13,440 lbs. impact force.\*

Now that's one tough rail!

*Also available as a single-high rail*



## Safety Gate

Steel King's self-closing safety gate adds versatility to the Steel Guard and Armor Guard railing systems.

Steel King's gates use heavy, 11-gauge corrugated steel rails and are designed to fit a 48" post-to-post center line within a protective railing system.



*Steel Guard Gate*

## Armor Guard®

Armor Guard industrial safety railing is the perfect economical safety solution for separating your people areas – work stations and walkways – from light shop traffic.

- Modular design makes expansion or relocation easy
- Universal posts have connection holes on three sides allowing design flexibility



## Lift-out / Drop-in Rail System

An optional lift-out / drop-in rail system provides protection for your equipment, while still affording easy access when needed.

Available for both **Steel Guard** and **Armor Guard**.





### Base Plate Cover

Clam shell style base plates for Steel Guard 4" x 4" posts install easily, even on existing guard rail installations.

- Hides anchor bolts for a more aesthetic look
- Protects forklift tires from damage caused by contact with anchors
- Covers entire base plate
- Secured together by two drive rivets
- 10-15/32" x 10-15/32" x 2-3/8"



### Guard Dawg®

Steel King's Guard Dawg system is an inexpensive low profile method to protect racks at intersections and along high traffic routes. Steel King's Guard Dawg can be ordered in any custom size needed.

- 5" x 3" x 3/8" angle
- 46" right or left guards in stock
- Double-ended guards available
- Protects 3" or 4" wide, 42" deep uprights with standard footplates



### Mega Guard®

Steel King's Mega Guard system is designed for simple protection at ends of rack or adjacent to equipment. Tubes are angled to deflect impacts and maximize strength. Completely welded, one-piece design for quick assembly.

- Baseplates are 10" x 10"
- All joints are fully welded.
- Horizontal tubes are welded "point-up" for better sanitation.



### Column Core®

Forklift damage is the leading factor in nearly 90% of rack failures. Column Core strengthens SK2000® rack that's already two-and-a-half times more impact-resistant than comparable open-back racks. With Column Core, front corners and sides are five times more impact resistant.

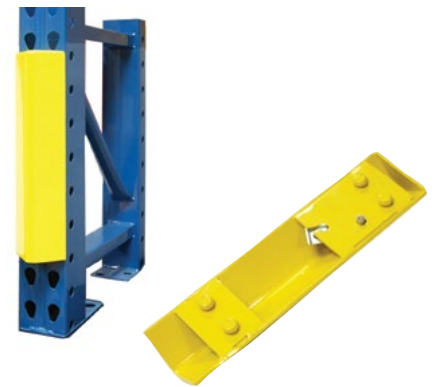
- Retain full beam adjustability
- Reduce puncturing, buckling and torsional twisting
- Reinforce as high as needed



### Free-Standing Column Protectors

Steel King's Free-Standing Column Protectors shield columns from collision damage by deflecting fork lifts at the point of impact.

- Easy after-market add-on
- Standard heights: 12", 18", 24"
- Highly visible, safety yellow
- Protects 3" or 4" wide columns with standard base plates



### Snap-Guard® Column Protectors

Snap-Guard is an adjustable guard that protects SK2000 upright rack column from forklift damage. Constructed of structural angle, it features an exclusive four-rivet connection that automatically locks into the upright column.

- Easy after-market add-on
- Auto-engaging safety lock
- Adjustable in 2" increments



# Steel Storage Containers

Steel King manufactures a full-line of industrial storage containers. While many sizes and types are stocked in our Quick Ship program, we also design custom containers of all types. Using your storage requirement, Steel King can design a container to fit your needs.



## Round Corner Corrugated Steel Containers

- Heavy corrugated steel sides and deck
- Rugged and durable
- Universal stacking feet
- Stack to four high while loaded
- 4000 lb capacity each
- 1/4" universal stacking legs



## Heavy-Duty Bulk Storage

- Super-strong tubular frame construction for rugged everyday use
- Designed to virtually any size
- Standard units up to 6,000 lb capacity
- Most stack to six high fully loaded
- Materials can include flat or corrugated steel, wire mesh, expanded metal, bar grating



## Hopper Steel Containers (WorkingTainer®)

- Perform double duty for storage and dispensing
- Wide, adjustable side door for ease of access and product flow
- Rugged 4,000 lb standard capacity; larger available
- Stackable to six high while loaded
- Tubular construction increases rigidity and durability
- Quick Ship in sizes 30" x 36", 32" x 40", 36" x 44", 40" x 48"



## Collapsible Steel Containers (Hold'n Fold®)

The cost savings of a collapsible (light duty) container and the durability of a rigid (heavy duty) container

- Can be constructed of a variety of materials: corrugated steel, wire mesh, or expanded metal.
- Collapsible for a 3:1 space savings
- Rugged 4,000 lb standard capacity; larger available
- Tubular construction increases rigidity
- Stacks to six high when fully loaded



## Stow Gate Container

- Customizable container offers multiple uses
- Steel King continues its product innovation with the NEW Stow Gate Container, joining our complete line of industrial steel containers.
- Fold one or both ends down halfway for easy access to parts
- Fold one or both sides down all the way, folding sides underneath
- Ideal for assembly, work-in-progress, dispensing or interplant shipping



## KingLoad™ Steel Pallet

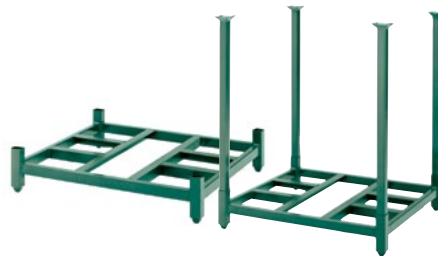
- Eliminates need for wooden pallets
- Heavy corrugated deck and stringers
- Welded construction
- Bacteria resistant
- Easily cleanable
- Contains holes for drainage
- 5,800 pound capacity
- Great for interplant shipping
- Available in 13 standard colors and galvanized

# Portable & Shipping Racks



## Bar Racks

- Handle and store 20,000 pounds or more of steel, bars, rods, tubing, flats, extrusions or other long products per rack (based on load weight and recommended 6:1 height-to-depth ratio)
- Horizontal Bar Storage Racks are designed to be accessed by fork lifts or overhead cranes
- Designed for stacking



## Stac-King® Portable Racks

- Perfect solution for fluctuating inventories
- Remove columns and easily store when not in use
- Provides a flexible racking layout
- Stack loads to avoid damage
- Highly customizable



## Pin Racks

This portable rack features a double-level sheet metal deck that is perforated to accept drop-in "pins," allowing it to contain varying sizes

- Ideal for steel stampings, blanks, or other flat goods
- Stackable up to 10 high
- Holes on 3" centers
- 4,000 pound capacity each
- 5/8" diameter pins, with 12" usable height

## Custom Shipping Racks



## Coil Racks

- Store coil diameters up to 72"
- Capacities up to 20,000 lbs
- 4 way entry
- Move with fork lifts or crane
- Stack up to 4 high

## Custom Designed Racks

Steel King will alter the size, dunnage, weight capacity, construction materials to make a shipping rack that fits your product. Our racks are structurally stable for up to 2- or 3-high shipping, and up to 6-high warehouse stacking.

See examples of our custom products below.



Ship fragile items such as mirrors



Used with Class A services, keeps items clean, scuff free



Pigeon hole racks for product separation



Ship electronic panels with product separation



Safely ship glass, windows



Ship items as large as automotive doors



Ship multiple, oddly shaped items



Ship items not requiring separation



Customizable, specialty racks



Serving you from three plant locations:



*Stevens Point, WI*



*New London, WI*



*Rome, GA*

## The Strength of Steel

Steel King draws its strength from more than the high grade American-forged steel that goes into its products. It comes from decades of experience and engineering and is backed by a solid reputation for integrity and customer service.



Plus, Steel King has the ability to meet the financial security requirements that you've come to expect in a national supplier.

Our strong financial position enables us to:

- Procure the highest quality materials in a timely manner
- Retain qualified personnel
- Invest in new tooling, equipment, and production and design capabilities
- Provide continuing support



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